

# *METHOD AND APPARATUS FOR MR PERFUSION IMAGE ACQUISITION USING NON-SELECTIVE AND NOTCHED RF SATURATION PULSES*

## **Abstract**

A non-selective saturation pulse together with a series of notched RF saturation pulses are used to acquire MR perfusion data. The non-selective saturation recovery RF pulse is non-selective and is designed to be effective at blood pool suppression for a first slice as well as a next slice in a series of slice locations. The first slice location may be placed at an angle or plane that is not necessarily coaxial with the other slice locations to be imaged. The present invention supports the acquisition of MR data with efficient spatial coverage and a calibration slice of data that provides a linear measure of signal intensity versus contrast concentration in a blood pool.